

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P566146

Luminaire Tested: **4SNX-22SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-22SL-LC-UNV-L930-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

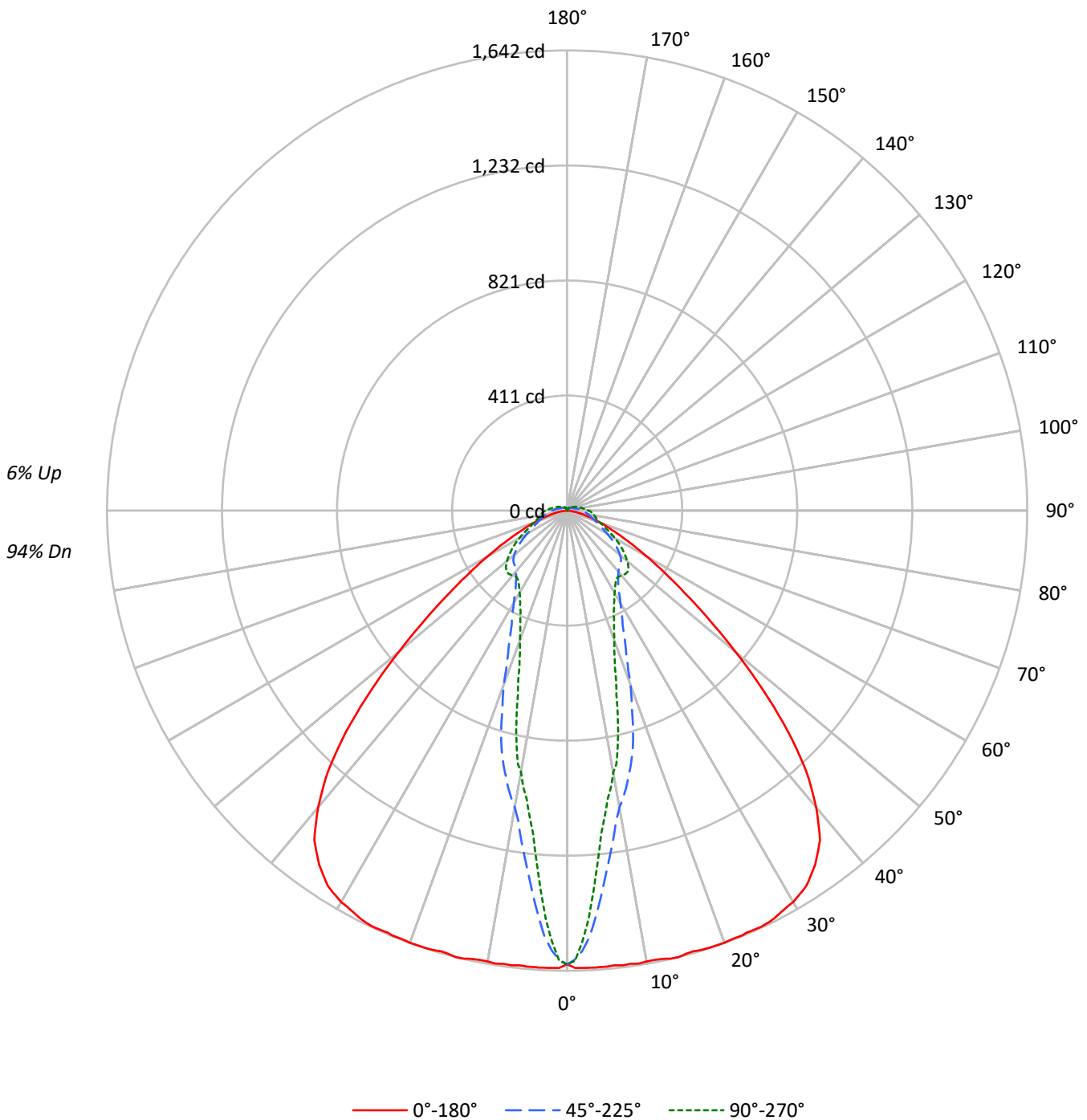
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1996.0 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17430	17430	17430
5°	17587	14316	12814
10°	17725	10807	9274
15°	18048	8834	6422
20°	18513	6392	4535
25°	19091	4579	3568
30°	19578	3659	3039
35°	19694	3095	2722
40°	18776	2814	2728
45°	16294	2718	2803
50°	12500	2585	2616
55°	9060	2260	2321
60°	6572	1887	1962
65°	4784	1595	1608
70°	3524	1409	1387
75°	2505	1304	1292
80°	1640	1222	1273
85°	770	1164	1275



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	6.4
10°-20°	276.5	13.9
20°-30°	316.5	15.9
30°-40°	317.1	15.9
40°-50°	300.2	15.0
50°-60°	230.2	11.5
60°-70°	148.4	7.4
70°-80°	94.6	4.7
80°-90°	62.8	3.1
90°-100°	42.2	2.1
100°-110°	27.8	1.4
110°-120°	19.4	1.0
120°-130°	13.5	0.7
130°-140°	9.4	0.5
140°-150°	5.7	0.3
150°-160°	2.9	0.1
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	720.4	36.1
0°-40°	1037.5	52.0
0°-60°	1567.9	78.6
0°-90°	1873.7	93.9
90°-120°	89.4	4.5
90°-150°	118.0	5.9
90°-180°	122.0	6.1
0°-180°	1996.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1619	1619	1619	1619	1619	
5°	1634	1544	1383	1290	1255	156
15°	1638	1179	899	738	679	465
25°	1639	835	476	413	394	755
35°	1542	464	318	308	304	957
45°	1115	294	268	297	307	848
55°	512	210	207	232	241	470
65°	205	132	130	148	153	210
75°	70	72	90	103	108	76
85°	9	33	63	83	89	13
90°	0	22	53	74	77	0
95°	0	16	44	60	63	0
105°	0	12	29	41	44	1
115°	1	10	22	30	32	1
125°	1	9	18	22	22	1
135°	1	7	14	17	18	1
145°	1	5	10	13	14	1
155°	1	3	6	9	10	1
165°	2	2	4	5	6	0
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1619.3	1619.3	1619.3	1619.3	1619.3
1°	1632.5	1623.3	1601.9	1608.0	1607.0
2°	1632.5	1613.1	1571.2	1558.9	1540.5
3°	1633.6	1595.7	1524.1	1484.2	1458.7
4°	1633.6	1570.2	1454.6	1388.1	1355.3
5°	1633.6	1543.6	1383.0	1289.9	1255.1
6°	1631.5	1511.8	1310.3	1212.1	1160.0
7°	1634.6	1477.1	1244.9	1139.5	1098.6
8°	1633.6	1436.2	1184.5	1084.3	1039.3
9°	1636.6	1396.3	1119.1	1032.1	998.4
10°	1633.6	1359.4	1076.1	983.0	948.2
11°	1633.6	1323.6	1045.4	951.3	921.6
12°	1635.6	1282.7	1011.6	906.3	865.4
13°	1640.7	1240.8	972.8	857.2	809.1
14°	1641.8	1209.1	937.0	794.8	744.7
15°	1637.7	1179.4	899.1	738.5	679.2
16°	1635.6	1148.7	854.1	685.3	632.2
17°	1639.7	1112.9	803.0	631.1	582.0
18°	1640.7	1080.2	748.8	590.2	547.3
19°	1640.7	1054.6	704.8	552.4	515.5
20°	1640.7	1030.1	659.8	523.7	492.0
21°	1638.7	999.4	608.6	494.1	467.5
22.5°	1639.7	942.1	550.3	459.3	437.8
23°	1636.6	927.8	536.0	450.1	427.6
24°	1637.7	886.9	505.3	431.7	410.2
25°	1638.7	834.7	475.6	413.3	393.8
26°	1636.6	792.7	451.1	395.9	382.6
27°	1631.5	759.0	433.7	381.5	369.3
28°	1624.4	714.0	415.3	369.3	358.0
29°	1617.2	662.8	396.9	356.0	347.8
30°	1613.1	621.9	379.5	345.7	338.6
32.5°	1588.6	541.1	343.7	325.3	319.1
35°	1542.5	464.4	318.1	307.9	303.8
37.5°	1482.2	405.1	298.7	296.6	297.7
40°	1383.0	358.0	284.4	293.6	302.8
42.5°	1264.3	321.2	274.1	296.6	306.9
45°	1115.0	293.6	268.0	296.6	306.9
47.5°	949.3	271.1	260.8	286.4	296.6
50°	783.5	250.6	246.5	271.1	280.3
52.5°	637.3	231.2	228.1	251.6	260.8
55°	511.5	209.7	206.6	232.2	241.4
57.5°	410.2	189.2	186.2	209.7	218.9
60°	327.3	168.8	163.7	187.2	196.4
62.5°	260.8	149.3	146.3	166.7	174.9
65°	204.6	132.0	129.9	148.3	153.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	161.6	115.6	116.6	132.0	138.1
70°	124.8	100.2	106.4	120.7	124.8
72.5°	94.1	84.9	98.2	110.5	115.6
75°	69.6	71.6	90.0	103.3	108.4
77.5°	48.1	59.3	82.9	97.2	102.3
80°	32.7	48.1	75.7	92.1	98.2
82.5°	19.4	39.9	69.6	86.9	94.1
85°	9.2	32.7	63.4	82.9	89.0
87.5°	3.1	26.6	57.3	78.8	83.9
90°	0.0	22.5	53.2	73.6	76.7
92.5°	0.0	19.4	48.1	67.5	69.6
95°	0.0	16.4	44.0	60.4	63.4
97.5°	0.0	15.3	40.9	54.2	58.3
100°	0.0	14.3	36.8	49.1	53.2
102.5°	0.0	12.3	32.7	44.0	48.1
105°	0.0	12.3	28.6	40.9	44.0
107.5°	1.0	11.3	26.6	36.8	40.9
110°	1.0	11.3	23.5	34.8	37.8
112.5°	1.0	11.3	22.5	31.7	35.8
115°	1.0	10.2	21.5	29.7	31.7
117.5°	1.0	10.2	20.5	26.6	28.6
120°	1.0	9.2	19.4	24.5	25.6
122.5°	1.0	9.2	18.4	22.5	23.5
125°	1.0	9.2	18.4	21.5	22.5
127.5°	1.0	8.2	17.4	20.5	20.5
130°	1.0	8.2	16.4	19.4	19.4
132.5°	1.0	7.2	15.3	18.4	19.4
135°	1.0	7.2	14.3	17.4	18.4
137.5°	1.0	6.1	13.3	16.4	17.4
140°	1.0	6.1	12.3	15.3	16.4
142.5°	1.0	5.1	11.3	14.3	15.3
145°	1.0	5.1	10.2	13.3	14.3
147.5°	1.0	5.1	9.2	12.3	13.3
150°	1.0	4.1	8.2	11.3	12.3
152.5°	1.0	4.1	7.2	10.2	11.3
155°	1.0	3.1	6.1	9.2	10.2
157.5°	1.0	3.1	6.1	8.2	9.2
160°	2.0	3.1	5.1	7.2	8.2
162.5°	1.0	2.0	5.1	6.1	7.2
165°	2.0	2.0	4.1	5.1	6.1
167.5°	2.0	2.0	3.1	4.1	5.1
170°	2.0	2.0	3.1	3.1	4.1
172.5°	2.0	2.0	2.0	3.1	2.0
175°	2.0	2.0	2.0	2.0	1.0
177.5°	2.0	2.0	2.0	2.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)